

ABSTRACT

The present invention provides one-pack type curing paste material to be used in a method of mechanically mixing and dispersing a low-pressure gas into a paste material to produce an expandable material, followed by discharging and expanding the expandable material to produce a curable product, especially a cured product with dense uniform closed-cells by using a mechanical foaming apparatus suitable for performing of the method. The one-pack type curing paste material of the present invention has viscosity characteristics included in the zone defined by points A, B, C and D in the graph of Fig. 1 showing the relationship between shear rate and apparent viscosity, said points A and B being at 50-30000 poises of an apparent viscosity (measured by a Brookfield rotary viscometer using spindle No.7, at 2 rpm, at 20°C) in low shear rate region (0.43 sec^{-1}) and said points C and D being at 20-2000 poises of an apparent viscosity (measured by an apparent viscosity meter according to JIS K2220, at 20°C) in high shear rate region (783 sec^{-1}).